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OM protein - protein search, using sw model

Run on: September 13, 2003, 14:13:52 : Search time 30 seconds
(without alignments)
590.942 Million cell updates/sec

Title: US-09-534-376A-8

Perfect score: 2336

Sequence: 1 MHLGFFSVACSLAAALP.....SYSEEVRCVPSWKPEQMS 419

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents_AA:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	DB ID	Description
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2	2336	100.0	419	3	US-08-510-133A-35
3	2336	100.0	419	4	US-09-355-700-8
4	2336	100.0	419	4	US-08-601-132-33
5	2327	99.6	419	4	US-08-706-054A-3
6	2327	99.6	419	4	US-09-313-299-3
7	2326	99.6	419	2	US-08-999-811-2
8	2326	99.6	419	3	US-09-042-105-2
9	2326	99.6	419	3	US-09-042-105-18
10	2325	99.5	419	3	US-09-355-700-58
11	2320	99.3	419	5	PCT-US96-09001-2
12	2048	87.7	415	3	US-08-795-430-11
13	2048	87.7	415	4	US-09-355-700-11
14	2043	87.5	415	4	US-08-601-132-41
15	1999	85.6	350	3	US-08-510-133A-33
16	1999	85.6	350	3	US-08-585-895-33
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18	1995	85.4	350	2	US-08-824-996-2
19	1995	85.4	350	3	US-09-042-105-4
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21	1804.5	77.2	418	4	US-09-355-700-13
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23	775.5	33.2	160	4	US-09-355-700-59
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26	703.5	30.1	358	3	US-08-915-795-8
27	667.5	28.6	321	3	US-08-915-795-9

28 523 22.4 197 4 US-09-431-888-8 Sequence 8, Appli
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30 377 16.1 109 4 US-09-469-185-1 Sequence 1, Appli
31 238.5 10.2 232 2 US-08-999-811-7 Sequence 7, Appli
32 238.5 10.2 232 3 US-08-807-992B-4 Sequence 4, Appli
33 238.5 10.2 232 3 US-09-042-105-7 Sequence 7, Appli
34 238.5 10.2 232 4 US-09-574-708A-10 Sequence 10, Appli
35 238 10.2 231 5 PCT-US96-09001-10 Sequence 10, Appli
36 235.5 10.1 208 4 US-09-244-583-26 Sequence 26, Appli
37 235.5 10.1 232 2 US-08-824-996-9 Sequence 9, Appli
38 228.5 9.8 214 6 5240848-11 Patent No. 5240848
39 226 9.7 215 3 US-08-807-992B-3 Sequence 3, Appli
40 226 9.7 215 3 US-08-586-039B-49 Sequence 49, Appli
41 226 9.7 215 4 US-09-699-769-49 Sequence 49, Appli
42 226 9.7 215 6 5240848-7 Patent No. 5240848
43 222 9.5 191 3 US-08-567-200A-2 Sequence 2, Appli
44 222 9.5 191 3 US-08-807-992B-2 Sequence 2, Appli
45 222 9.5 191 3 US-08-691-794-2 Sequence 2, Appli

ALIGNMENTS

RESULT 1

US-08-795-430-8
; Sequence 8, Application US/08795430
; Patent No. 6130071
; GENERAL INFORMATION:
; APPLICANT: Alitalo, Kari
; APPLICANT: Joukov, Vladimir
; TITLE OF INVENTION: Vascular Endothelial Growth Factor C (VEGF-C)
; NUMBER OF SEQUENCES: 57
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/795,430
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/FI96/00427
; FILING DATE: 01-AUG-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/671,573
; FILING DATE: 28-JUN-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/601,132
; FILING DATE: 14-FEB-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/585,895
; FILING DATE: 12-JAN-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/510,133
; FILING DATE: 01-AUG-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/340,011
; FILING DATE: 14-NOV-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Gass, David A.
; REGISTRATION NUMBER: 38,153
; REFERENCE/DOCKET NUMBER: 28967/33691
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312/474-6300

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; TELEFAX: 312/474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 419 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-795-430-8

Query Match 100.0%; Score 2336; DB 3; Length 419;
Best Local Similarity 100.0%; Pred. No. 2.2e-202;
Matches 419; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 2
US-08-510-133A-35
; Sequence 35, Application US/08510133A
; Patent No. 6221839
; GENERAL INFORMATION:
; APPLICANT: Alitalo, Kari
; TITLE OF INVENTION: Receptor Ligand
; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/510,133A
; FILING DATE: 01-Aug-1995
; CLASSIFICATION: <unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Gass, David A.
; REGISTRATION NUMBER: 38,153
; REFERENCE/DOCKET NUMBER: 28113/32863
; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 312/474-6300
; TELEFAX: 312/474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 35:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 419 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-510-133A-35

Query Match 100.0%; Score 2336; DB 3; Length 419;
Best Local Similarity 100.0%; Pred. No. 2.2e-202;
Matches 419; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 361 ECTESPOKLLGKGFHHQTCSCYRRPCTNRQACPGFSYSEEVCRVPSYWKRPQMS 419

RESULT 3
US-09-355-700-8
; Sequence 8, Application US/09355700
; Patent No. 6361946
; GENERAL INFORMATION:
; APPLICANT: Ludwig Institute for Cancer Research
; HELSINKI UNIVERSITY LICENSING
; ALITALO, KARI (U.S. ONLY)
; JONKOV, VLADIMIR (U.S. ONLY)
; TITLE OF INVENTION: Vascular Endothelial Growth Factor C (VEGF-C)
; PROTEIN AND GENE, MUTANTS THEREOF, AND USES THEREOF
; NUMBER OF SEQUENCES: 59
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/355,700
; FILING DATE: 05-No. 6361946-1999
; CLASSIFICATION: <unknown>
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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/795,430
; FILING DATE: 05-FEB-1997
; APPLICATION NUMBER: PCT/FT96/00427
; FILING DATE: 01-AUG-1996
; APPLICATION NUMBER: 08/671,573
; FILING DATE: 28-JUN-1996
; APPLICATION NUMBER: 08/601,132
; FILING DATE: 14-FEB-1996
; APPLICATION NUMBER: 08/585,895
; FILING DATE: 12-JAN-1996
; APPLICATION NUMBER: 08/510,133
; FILING DATE: 01-AUG-1995
; APPLICATION NUMBER: 08/340,011
; FILING DATE: 14-NOV-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Gass, David A.
; REGISTRATION NUMBER: 38,153
; REFERENCE/DOCKET NUMBER: 28967/34140
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312/474-6300
; TELEFAX: 312/474-0448
; TELELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 419 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 8:
US-09-355-700-8

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Best Local Similarity 100.0%; Pred. No. 2.2e-202;
Matches 419; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 4
US-08-601-132-33
; Sequence 33, Application US/08601132
; Patent No. 6403088
; GENERAL INFORMATION:
; APPLICANT: Alitalo, Kari
; APPLICANT: Joukov, Vladimir
; TITLE OF INVENTION: Receptor Ligand
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;
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/601,132
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Gass, David A.
; REGISTRATION NUMBER: 38,153
; REFERENCE/DOCKET NUMBER: 28113/33118
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312/474-6300
; TELEFAX: 312/474-0448
; TELELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 33:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 419 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-601-132-33

Query Match 100.0%; Score 2336; DB 4; Length 419;
Best Local Similarity 100.0%; Pred. No. 2.2e-202;
Matches 419; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 RSVSSVDELMVLYPEYWKMYKQQLRGKGWQHNRQANLSRTEETIKFAAAHYNTILK 120
DB 61 RSVSSVDELMVLYPEYWKMYKQQLRGKGWQHNRQANLSRTEETIKFAAAHYNTILK 120
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DB 121 SIDNWRKTQCMPEVCIIDVGKEFGVATNTFFKPPCVSVYRCGCCNSEGLQCMNTSY 180
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DB 361 ECTESPOKLLGKKFHHQTCSCYRRPCTNRKQACEPGFSYSEVCRVPSYWKRPQMS 419

RESULT 5
US-08-706-054A-3
; Sequence 3, Application US/08706054A
; Patent No. 6451764
; GENERAL INFORMATION:
; APPLICANT: Lee, James
; APPLICANT: Wood, William I.
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;
; TITLE OF INVENTION: VEGF-Related Protein
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/706,054A
; FILING DATE: 30-Aug-1996
; CLASSIFICATION: <Unknown>
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/003491
; FILING DATE: 08-Sep-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Lee, Wendy M.
; REGISTRATION NUMBER: P-40,378
; REFERENCE/DOCKET NUMBER: P0963R1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1994
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
;
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 419 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
;
; SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-08-706-054A-3

Query Match 99.6%; Score 2327; DB 4; Length 419;
Best Local Similarity 99.8%; Pred. No. 1.4e-201;
Matches 418; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Db 61 RSVSSVDELMTVLYPEYWKMKCOLRKGQWQHNRQANLSRTEETIKFAAAHYNTEILK 120

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RESULT 6
US-09-313-299-3
; Sequence 3, Application US/09313299B

; Patent No. 6576608
; GENERAL INFORMATION:
; APPLICANT: Lee, James
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: VEGF-RELATED PROTEIN
; FILE REFERENCE: P0963R1D1
; CURRENT APPLICATION NUMBER: US/09/313,299B
; CURRENT FILING DATE: 1999-05-17
; EARLIER APPLICATION NUMBER: US 08/706,054
; EARLIER FILING DATE: 1996-08-30
; EARLIER APPLICATION NUMBER: US 60/003,491
; EARLIER FILING DATE: 1995-09-08
; NUMBER OF SEQ ID NOS: 12
; SEQ ID NO 3
; LENGTH: 419
; TYPE: PRT
; ORGANISM: Human
; FEATURE:
; NAME/KEY: Human
; LOCATION: 1-419
; OTHER INFORMATION: Sequence source: VRP
; Patent No. 6576608
US-09-313-299-3

Query Match 99.6%; Score 2327; DB 4; Length 419;
Best Local Similarity 99.8%; Pred. No. 1.4e-201;
Matches 418; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY 181 LSKTLFETVPLSQGPKPVTISFANHSCRCMSKLDVYQVHSIIRSLPATLPQCOAAN 240
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Db 241 KTCPTNTMNNHICRCLAQEDFMFSSDAGDDSTGDFHDCGPNKELDEETCQCVRAGLR 300

QY 301 PASGCPHKLDRNSCQCVCKNKLFPSCGGANREFDENTCQCVCKTCPRNQLNPGKAC 360
Db 301 PASGCPHKLDRNSCQCVCKNKLFPSCGGANREFDENTCQCVCKTCPRNQLNPGKAC 360

QY 361 ECTESPQKLLGKGFHHQTCSCYRRPCTNRQACPFGSYSSEECVRCVPSYWKRPQMS 419
Db 361 ECTESPQKLLGKGFHHQTCSCYRRPCTNRQACPFGSYSSEECVRCVPSYWKRPQMS 419

RESULT 7
US-08-999-811-2
; Sequence 2, Application US/08999811
; Patent No. 5932540
; GENERAL INFORMATION:
; APPLICANT: HU, JING-SHAN
; APPLICANT: ROSEN, CRAIG A.
; APPLICANT: CAO, LIANG
; TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR 2
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX
; STREET: 1100 NEW YORK AVENUE
; CITY: WASHINGTON
; STATE: DC
; COUNTRY: USA

```

; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX
; STREET: 1100 NEW YORK AVENUE
; CITY: WASHINGTON
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentlip Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/042,105
; FILING DATE: HERewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/207,550
; FILING DATE: 8-MAR-1994
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: TO BE ASSIGNED
; FILING DATE: 24-DEC-1997
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: ERIC K. STEFFE
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488_1000003/EKS
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)371-2600
; TELEFAX: (202)371-2540
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 419 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
;
US-09-042-105-2

Query Match 99.6%; Score 2326; DB 3; Length 419;
Best Local Similarity 99.5%; Pred. No. 1.7e-201;
Matches 417; Conservative 1; Mismatches 1; Indels 0; Gaps 0

QY 1 MHLGFSVACSLIAAALPGRPAPAAAASFGLDSADPDAGATAYASKDLEQL 60
Db 1 MSLGFSVACSLIAAALPGRPAPAAAASFGLDSADPDAGATAYASKDLEQL 60
QY 61 RSVSSVDLMTLVLYPEYKMKYKCOLRGQWQHNRQANLSRTEETIKFAAAHYNTILK 120
Db 61 RSVSSVDLMTLVLYPEYKMKYKCOLRGQWQHNRQANLSRTEETIKFAAAHYNTILK 120
QY 121 SIDNWRKTCQMPREYCDVKGEGVATNTFFKPCVSVYRCGCCNCSGLQCMNTSY 180
Db 121 SIDNWRKTCQMPREYCDVKGEGVATNTFFKPCVSVYRCGCCNCSGLQCMNTSY 180
QY 181 LSKTLFTETVPLSQGPKPVTISFANHSCRCMSKLDVYRVHSTIRRSPLATLPQCAAN 240
Db 181 LSKTLFTETVPLSQGPKPVTISFANHSCRCMSKLDVYRVHSTIRRSPLATLPQCAAN 240
QY 241 KTCPTNYMWNHHCRCIAQEDFMFSSDAGDSDTDGFHDIGCPNKELDEETOCVCRAGLR 300
Db 241 KTCPTNYMWNHHCRCIAQEDFMFSSDAGDSDTDGFHDIGCPNKELDEETOCVCRAGLR 300
QY 301 PASCGPHKELDRNSCCVCCKNKLFPSCGAGNREFPDNTCCQCKRTCPRNQPLNPGKAC 360
Db 301 PASCGPHKELDRNSCCVCCKNKLFPSCGAGNREFPDNTCCQCKRTCPRNQPLNPGKAC 360
QY 361 ECTSPQKILLKGGKPHQTCSCYRRPCTNRQKACEGFSYSEVCRGCVPSYWRPOMS 419

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Db 361 ECTSPQCKLLGKGFHQTCSYRRPCTNRQKACPGFSYSEEVCRVPSYWRPOMS 419
|||||
RESULT 9
US-09-042-105-18
; Sequence 18, Application US/09042105
; Patent No. 6040157
; GENERAL INFORMATION:
; APPLICANT: HU, JING-SHAN
; APPLICANT: ROSEN, CRAIG A.
; APPLICANT: CAO, LIANG
; TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR 2
; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SPERNE, KESSLER, GOLDSTEIN & FOX
; STREET: 1100 NEW YORK AVENUE
; CITY: WASHINGTON
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/042,105
; FILING DATE: HERewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/207,550
; FILING DATE: 8-MAR-1994
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/465,968
; FILING DATE: 06-JUN-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: TO BE ASSIGNED
; FILING DATE: 24-DEC-1997
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: ERIC K. STEFFE
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.1000003/EKS
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)371-2500
; TELEFAX: (202)371-2540
; INFORMATION FOR SEQ ID NO: 18:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 419 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-042-105-18
Query Match 99.6%; Score 2326; DB 3; Length 419;
Best Local Similarity 99.5%; Pred. No. 1.7e-201;
Matches 417; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MELIGFTSVACSLIAALLPGPREAPAAAAAFESGLDLSDAEPDAGEATAYASKDLEQL 60
Db 1 MHSIGFTSVACSLIAALLPGPREAPAAAAAFESGLDLSDAEPDAGEATAYASKDLEQL 60
QY 61 RSVSSVDELMTVLYPEYKWKYCOLKGGWQHNEQANLSPEETIKFAAHYNTLTK 120
Db 61 RSVSSVDELMTVLYPEYKWKYCOLKGGWQHNEQANLSPEETIKFAAHYNTLTK 120
QY 121 SIDNWRKTCMPREVIDGVGKFGVAINTFFKPPCVSVYRCGCCNSEGLQCMNTSTSY 180
Db 121 SIDNWRKTCMPREVIDGVGKFGVAINTFFKPPCVSVYRCGCCNSEGLQCMNTSTSY 180
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QY 181 LSKTLFEITVPLSQGPKPVTISFANHSCRCMKGLDVIQVHSIIRSLPATILPQCOAAN 240
Db 181 LSKTLFEITVPLSQGPKPVTISFANHSCRCMKGLDVIQVHSIIRSLPATILPQCOAAN 240
QY 241 KTCPTNTMNNHICRCLAQEDFMFSSDAGDDSDTGFHDICGPNKELDEETQCCVCRAGLR 300
Db 241 KTCPTNTMNNHICRCLAQEDFMFSSDAGDDSDTGFHDICGPNKELDEETQCCVCRAGLR 300
QY 301 PASCGPHKELDRNSQCVCYCKNKLFPSSQGANREFEDENTQCCYCKTCPRNQLNPGKAC 360
Db 301 PASCGPHKELDRNSQCVCYCKNKLFPSSQGANREFEDENTQCCYCKTCPRNQLNPGKAC 360
QY 361 ECTSPQCKLLGKGFHQTCSYRRPCTNRQKACPGFSYSEEVCRVPSYWRPOMS 419
Db 361 ECTSPQCKLLGKGFHQTCSYRRPCTNRQKACPGFSYSEEVCRVPSYWRPOMS 419

RESULT 10
US-09-355-700-58
; Sequence 58, Application US/09355700
; Patent No. 6361946
; GENERAL INFORMATION:
; APPLICANT: Ludwig Institute for Cancer Research
; APPLICANT: Helsinki University Licensing
; APPLICANT: Alitalo, Kari(U.S. only)
; APPLICANT: Joukov, Vladimir (U.S. only)
; TITLE OF INVENTION: Vascular Endothelial Growth Factor C (VEGF-C)
; NUMBER OF SEQUENCES: 59
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/355,700
; FILING DATE: 05-No. 6361946-1999
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/795,430
; FILING DATE: 05-FEB-1997
; APPLICATION NUMBER: PCT/FI96/00427
; FILING DATE: 01-AUG-1996
; APPLICATION NUMBER: 08/671,573
; FILING DATE: 28-JUN-1996
; APPLICATION NUMBER: 08/601,132
; FILING DATE: 14-FEB-1996
; APPLICATION NUMBER: 08/585,895
; FILING DATE: 12-JAN-1996
; APPLICATION NUMBER: 08/510,133
; FILING DATE: 01-AUG-1995
; APPLICATION NUMBER: 08/340,011
; FILING DATE: 14-NOV-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Gass, David A.
; REGISTRATION NUMBER: 38,153
; REFERENCE/DOCKET NUMBER: 28967/34140
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312/474-6300
; TELEFAX: 312/474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 58:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 419 amino acids
; TYPE: amino acid
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/ ; STRANDEDNESS: not relevant
/ ; TOPOLOGY: linear
/ ; MOLECULE TYPE: protein
/ ; FEATURE:
/ ; NAME/KEY: other
/ ; LOCATION: 156
/ ; OTHER INFORMATION: /note= "codon 156 can be anything other
/ ; than cysteine, or can be nothing"
/ ; SEQUENCE DESCRIPTION: SEQ ID NO: 58:
US-09-355-700-58

Query Match          99.5%; Score 2325; DB 4; Length 419;
Best Local Similarity 99.8%; Pred. No. 2.1e-201;
Matches 418; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MHLGFFSVACSLIAAALLPGPREAPAAAAAFESGLDLSDAEPDAGEATAYASKDLEOL 60
Db 1 MHLGFFSVACSLIAAALLPGPREAPAAAAAFESGLDLSDAEPDAGEATAYASKDLEOL 60
QY 61 RSVSSVDELMTVLYPEYWKMTKCOLRKGWQHNRQANLNSRTETIKFAAAHYNTIELK 120
Db 61 RSVSSVDELMTVLYPEYWKMTKCOLRKGWQHNRQANLNSRTETIKFAAAHYNTIELK 120
QY 121 SIDNEWRKTCQMPREVCIDVGKEFGVATNTFFKPPCVSVYRCGGCCNSEGLQCMNTSTSY 180
Db 121 SIDNEWRKTCQMPREVCIDVGKEFGVATNTFFKPPCVSVYRCGGCCNSEGLQCMNTSTSY 180
QY 181 LSKTLEITVPLUSQGPKEVTISFANHTSCRCMSKLDVYRQVHSIIRSLPATLPQCAAN 240
Db 181 LSKTLEITVPLUSQGPKEVTISFANHTSCRCMSKLDVYRQVHSIIRSLPATLPQCAAN 240
QY 241 KTCPTNYMNNHICRLAQEDFMFSSDAGDDSTDGFDHICGPNKELDEETCCQVCVCRAGLR 300
Db 241 KTCPTNYMNNHICRLAQEDFMFSSDAGDDSTDGFDHICGPNKELDEETCCQVCVCRAGLR 300
QY 301 PASCGRHKLDRNSCQVCCKNKLFPSCCGANREFDENTCCQVCRTCPRNOPLNPKGCAC 360
Db 301 PASCGRHKLDRNSCQVCCKNKLFPSCCGANREFDENTCCQVCRTCPRNOPLNPKGCAC 360
QY 361 ECTESPKCLLAGKGFHHOTCSYRRPCTNRKACPEGFSYSEVCRVPSYWKRPQMS 419
Db 361 ECTESPKCLLAGKGFHHOTCSYRRPCTNRKACPEGFSYSEVCRVPSYWKRPQMS 419

RESULT 11
PCT-US96-09001-2
; Sequence 2, Application PC/TUS9609001
; GENERAL INFORMATION:
; APPLICANT: HU, ET AL.
; TITLE OF INVENTION: Human Vascular Endothelial Growth Factor 2
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
; ADDRESSEE: CECCHI, STEWART & OLSTEIN
; STREET: 6 BECKER FARM ROAD
; CITY: ROSELAND
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07068
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 INCH DISKETTE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WORD PERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US96/09001
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/465,968
; FILING DATE: 6 JUN 95
; APPLICATION NUMBER: 08/207,550
; FILING DATE: 8 MAR 1994
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/ ; ATTORNEY/AGENT INFORMATION:
/ ; NAME: FERRARO, GREGORY D.
/ ; REGISTRATION NUMBER: 36134
/ ; REFERENCE/DOCKET NUMBER: 325800-288
/ ; TELECOMMUNICATION INFORMATION:
/ ; TELEPHONE: 201-994-1700
/ ; TELEFAX: 201-994-1744
/ ; INFORMATION FOR SEQ ID NO: 2:
/ ; SEQUENCE CHARACTERISTICS:
/ ; LENGTH: 419 AMINO ACIDS
/ ; TYPE: AMINO ACID
/ ; STRANDEDNESS:
/ ; TOPOLOGY: LINEAR
/ ; MOLECULE TYPE: PROTEIN
/ ; PCT-US96-09001-2

Query Match          99.3%; Score 2320; DB 5; Length 419;
Best Local Similarity 99.3%; Pred. No. 6.1e-201;
Matches 416; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 MHLGFFSVACSLIAAALLPGPREAPAAAAAFESGLDLSDAEPDAGEATAYASKDLEOL 60
Db 1 MHLGFFSVACSLIAAALLPGPREAPAAAAAFESGLDLSDAEPDAGEATAYASKDLEOL 60
QY 61 RSVSSVDELMTVLYPEYWKMTKCOLRKGWQHNRQANLNSRTETIKFAAAHYNTIELK 120
Db 61 RSVSSVDELMTVLYPEYWKMTKCOLRKGWQHNRQANLNSRTETIKFAAAHYNTIELK 120
QY 121 SIDNEWRKTCQMPREVCIDVGKEFGVATNTFFKPPCVSVYRCGGCCNSEGLQCMNTSTSY 180
Db 121 SIDNEWRKTCQMPREVCIDVGKEFGVATNTFFKPPCVSVYRCGGCCNSEGLQCMNTSTSY 180
QY 181 LSKTLEITVPLUSQGPKEVTISFANHTSCRCMSKLDVYRQVHSIIRSLPATLPQCAAN 240
Db 181 LSKTLEITVPLUSQGPKEVTISFANHTSCRCMSKLDVYRQVHSIIRSLPATLPQCAAN 240
QY 241 KTCPTNYMNNHICRLAQEDFMFSSDAGDDSTDGFDHICGPNKELDEETCCQVCVCRAGLR 300
Db 241 KTCPTNYMNNHICRLAQEDFMFSSDAGDDSTDGFDHICGPNKELDEETCCQVCVCRAGLR 300
QY 301 PASCGRHKLDRNSCQVCCKNKLFPSCCGANREFDENTCCQVCRTCPRNOPLNPKGCAC 360
Db 301 PASCGRHKLDRNSCQVCCKNKLFPSCCGANREFDENTCCQVCRTCPRNOPLNPKGCAC 360
QY 361 ECTESPKCLLAGKGFHHOTCSYRRPCTNRKACPEGFSYSEVCRVPSYWKRPQMS 419
Db 361 ECTESPKCLLAGKGFHHOTCSYRRPCTNRKACPEGFSYSEVCRVPSYWKRPQMS 419

RESULT 12
US-08-795-430-11
; Sequence 11, Application US/08795430
; Patent No. 6130071
; GENERAL INFORMATION:
; APPLICANT: Alltalo, Kari
; APPLICANT: Joukov, Vladimir
; TITLE OF INVENTION: Vascular Endothelial Growth Factor C (VEGF-C)
; TITLE OF INVENTION: Protein and Gene, Mutants Thereof, and Uses Thereof
; NUMBER OF SEQUENCES: 57
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/795,430
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; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA: PCT/PT96/00427
; FILING DATE: 01-AUG-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/671,573
; FILING DATE: 28-JUN-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/601,132
; FILING DATE: 14-FEB-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/585,895
; FILING DATE: 12-JAN-1996
; APPLICATION NUMBER: 08/510,133
; FILING DATE: 01-AUG-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/340,011
; FILING DATE: 14-NOV-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Gass, David A.
; REGISTRATION NUMBER: 38,153
; REFERENCE/DOCKET NUMBER: 28967/33691
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312/474-6300
; TELEFAX: 312/474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 415 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-795-430-11

Query Match 87.7%; Score 2048; DB 3; Length 415;
Best Local Similarity 85.4%; Pred. No. 1.9e-176;
Matches 358; Conservative 28; Mismatches 29; Indels 4; Gaps 1;

Qy 1 MHLGFFSVACSLAALLPGPREAPAAAFAESGLDLSDAEPDAGEATAYASKDLEQL 60
Db 1 MHLGFLSLACSLAALLPSPREAPATVAFAESGLGFSAEPPDGGEVKAFSGKDLERQL 60
Qy 61 RSVSSVDELMTVLYPETWKMVKQLKKGWQHNSREANLSRTEETIKFAAAHYNTLTK 120
Db 61 RSVSSVDELMSVLYPDYWKMKQLKKGWQ---QPTLNTRTGDSVKFAAAHYNTLTK 116
Qy 121 SIDNEWRTQCMPEVCIIDVGKEFGVATNTFFKPPCVSVYRCGGCCNSGLQCMNTSTY 180
Db 117 SIDNEWRTQCMPEVCIIDVGKEFGAATNTFFKPPCVSVYRCGGCCNSGLQCMNTSTGY 176
Qy 181 LSKTLFEITVPLSGPKPVITISFANHTSCRCMSKLDYRVQVHSIIRRSPLATLPOCQAA 240
Db 177 LSKTLFEITVPLSGPKPVITISFANHTSCRCMSKLDYRVQVHSIIRRSPLATLPOCQAA 236
Qy 241 KTCPTNWNHICRLAQDEMFSSDAGDSTGFDHICGPNKELDEFTCCQVCRAGLR 300
Db 237 KTCPTNWNHICRLAQDEFTFYSNVEDSTNGFDHICGPNKELDEFTCCQVCKGLR 296
Qy 301 PASCGPHKELDRNSCCVCKNKLFPSCOGANREFDENTCCQVCKRTCPNQLNPKKAC 360
Db 297 PSCGPHKELDRNSCCVCKNKLFPNSCGANREFDENTCCQVCKRTCPNQLNPKKAC 356
Qy 361 ECTESQPKLLKGGKFFHQCSCYRRPCTNROKACEFGFYSSEVCEVCRVPSYWKRPQMS 419
Db 357 ECTENTQKCFKGGKFFHQCSCYRRPCTNROKACEFGFYSSEVCEVCRVPSYWKRPHLN 415

RESULT 13
US-09-355-700-11
; Sequence 11, Application US/09355700
; Patent No. 6361946

; GENERAL INFORMATION:
; APPLICANT: Ludwig Institute for Cancer Research
; Helinski University Licensing
; Alitalo, Kari (U.S. only)
; Joukov, Vladimir (U.S. only)
; TITLE OF INVENTION: Vascular Endothelial Growth Factor C (VEGF-C)
; Protein and Gene, Mutants Thereof, and Uses Thereof
; NUMBER OF SEQUENCES: 59
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/355,700
; FILING DATE: 05-NOV-1999
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/795,430
; FILING DATE: 05-FEB-1997
; APPLICATION NUMBER: PCT/PT96/00427
; FILING DATE: 01-AUG-1996
; APPLICATION NUMBER: 08/671,573
; FILING DATE: 28-JUN-1996
; APPLICATION NUMBER: 08/601,132
; FILING DATE: 14-FEB-1996
; APPLICATION NUMBER: 08/585,895
; FILING DATE: 12-JAN-1996
; APPLICATION NUMBER: 08/510,133
; FILING DATE: 01-AUG-1995
; APPLICATION NUMBER: 08/340,011
; FILING DATE: 14-NOV-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Gass, David A.
; REGISTRATION NUMBER: 38,153
; REFERENCE/DOCKET NUMBER: 28967/34140
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312/474-6300
; TELEFAX: 312/474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 415 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 11:
US-09-355-700-11

Query Match 87.7%; Score 2048; DB 4; Length 415;
Best Local Similarity 85.4%; Pred. No. 1.9e-176;
Matches 358; Conservative 28; Mismatches 29; Indels 4; Gaps 1;

Qy 1 MHLGFFSVACSLAALLPGPREAPAAAFAESGLDLSDAEPDAGEATAYASKDLEQL 60
Db 1 MHLGFLSLACSLAALLPSPREAPATVAFAESGLGFSAEPPDGGEVKAFSGKDLERQL 60
Qy 61 RSVSSVDELMTVLYPETWKMVKQLKKGWQHNSREANLSRTEETIKFAAAHYNTLTK 120
Db 61 RSVSSVDELMSVLYPDYWKMKQLKKGWQ---QPTLNTRTGDSVKFAAAHYNTLTK 116
Qy 121 SIDNEWRTQCMPEVCIIDVGKEFGVATNTFFKPPCVSVYRCGGCCNSGLQCMNTSTY 180
Db 117 SIDNEWRTQCMPEVCIIDVGKEFGAATNTFFKPPCVSVYRCGGCCNSGLQCMNTSTGY 176
Qy 181 LSKTLFEITVPLSGPKPVITISFANHTSCRCMSKLDYRVQVHSIIRRSPLATLPOCQAA 240
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Db 177 LSKTLEIVPLSOGPKPVITISFANHTSCRCMSKLDYRQVHSIIRSLPATLPQOQAN 236
QY 241 KTCPTNYMNNHICRLAQEDFMFSSDAGDDSTDFGHDICGPNKELDEETCCQCVCRAGLR 300
Db 237 KTCPTNYMNNHICRLAQEDFMFSSDAGDDSTDFGHDICGPNKELDEETCCQCVCRAGLR 296
QY 301 PASCGPHKELDRNSCQVCKNKLFPSCGANGREFEDNTCCQVCKRTCPNQLNPGKAC 360
Db 297 PSSCGPHKELDRNSCQVCKNKLFPSCGANGREFEDNTCCQVCKRTCPNQLNPGKAC 356
QY 361 ECTESPQKLLGKGFHHQTCSCYRRCPCNROKACEPGFSYSEVCRVPSYWKRPQMS 419
Db 357 ECTENTQKCFLGKGFHHQTCSCYRRCPCNRLKHCDPLGSFSEVCRVPSYWKRPHLN 415

RESULT 14

US-08-601-132-41
; Sequence 41, Application US/08601132
; Patent No. 6403088
; GENERAL INFORMATION:
; APPLICANT: Alitalo, Kari
; JOUKOV, Vladimir
; TITLE OF INVENTION: Receptor Ligand
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/601,132
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Gass, David A.
; REGISTRATION NUMBER: 38,153
; REFERENCE/DOCKET NUMBER: 28113/33118
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312/474-6300
; TELEFAX: 312/474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 41:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 415 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-601-132-41

Query Match 87.5%; Score 2043; DB 4; Length 415;
Best Local Similarity 85.2%; Pred. No. 5.4e-176;
Matches 357; Conservative 28; Mismatches 30; Indels 4; Gaps 1;
QY 1 MHLGFFSVACSLAAALLPGPREAPAAAAFESGLDSDAPPDAGEATAYASKDLEQL 60
Db 1 MHLCLFSLACSLAAALLPGPREAPATVAAPFESGLFSEAPDGGGVKAFEGKDEQL 60
QY 61 RSVSSVDELMTVLYPEYWKYKCOLRKGQHNREOANLNSTETIKFAAAHYNTILKSIDNEWRKT 120
Db 61 RSVSSVDELMTVLYPEYWKYKCOLRKGQHNREOANLNSTETIKFAAAHYNTILKSIDNEWRKT 116
QY 121 SIDNEWRKTQMPREVCIDVGKEFGVATNFFKPCVSVYRCGCCNSEGLQCMNTSTSY 180
Db 117 SIDNEWRKTQMPREVCIDVGKEFGVATNFFKPCVSVYRCGCCNSEGLQCMNTSTSY 176

QY 181 LSKTLEIVPLSOGPKPVITISFANHTSCRCMSKLDYRQVHSIIRSLPATLPQOQAN 240
Db 177 LSKTLEIVPLSOGPKPVITISFANHTSCRCMSKLDYRQVHSIIRSLPATLPQOQAN 236
QY 241 KTCPTNYMNNHICRLAQEDFMFSSDAGDDSTDFGHDICGPNKELDEETCCQCVCRAGLR 300
Db 237 KTCPTNYMNNHICRLAQEDFMFSSDAGDDSTDFGHDICGPNKELDEETCCQCVCRAGLR 296
QY 301 PASCGPHKELDRNSCQVCKNKLFPSCGANGREFEDNTCCQVCKRTCPNQLNPGKAC 360
Db 297 PSSCGPHKELDRNSCQVCKNKLFPSCGANGREFEDNTCCQVCKRTCPNQLNPGKAC 356
QY 361 ECTESPQKLLGKGFHHQTCSCYRRCPCNROKACEPGFSYSEVCRVPSYWKRPQMS 419
Db 357 ECTENTQKCFLGKGFHHQTCSCYRRCPCNRLKHCDPLGSFSEVCRVPSYWKRPHLN 415

RESULT 15
US-08-510-133A-33
; Sequence 33, Application US/08510133A
; Patent No. 6221839
; GENERAL INFORMATION:
; APPLICANT: Alitalo, Kari
; JOUKOV, Vladimir
; TITLE OF INVENTION: Receptor Ligand
; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/510,133A
; FILING DATE: 01-Aug-1995
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Gass, David A.
; REGISTRATION NUMBER: 38,153
; REFERENCE/DOCKET NUMBER: 28113/32863
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312/474-6300
; TELEFAX: 312/474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 33:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 350 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 33:
US-08-510-133A-33

Query Match 85.6%; Score 1999; DB 3; Length 350;
Best Local Similarity 100.0%; Pred. No. 4e-172;
Matches 350; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 70 MTLVLYPEYWKYKCOLRKGQHNREOANLNSTETIKFAAAHYNTILKSIDNEWRKT 129
Db 1 MTLVLYPEYWKYKCOLRKGQHNREOANLNSTETIKFAAAHYNTILKSIDNEWRKT 60
QY 130 QCMPEVRCIDVGKEFGVATNFFKPCVSVYRCGCCNSEGLQCMNTSTSYSKTLFEIT 189
Db 61 QCMPEVRCIDVGKEFGVATNFFKPCVSVYRCGCCNSEGLQCMNTSTSYSKTLFEIT 120
QY 190 VPLSOGPKPVITISFANHTSCRCMSKLDYRQVHSIIRSLPATLPQOQANCTPTNFW 249

Db 121 VELSQGPKPVTISFANHTSCRCMSKLDVYRQVHSIIIRSLPATLPQCOAANKTCPTNYM 180
Qy 250 NNHICRCLAQEDFMFSSDAGDDSTGPHDIOGPNKELDEETCQVCYCRAGLRPASCQPHKE 309
Db 181 NNHICRCLAQEDFMFSSDAGDDSTGPHDIOGPNKELDEETCQVCYCRAGLRPASCQPHKE 240
Qy 310 LDNRSCQVCCKNKLFTSQCGANREFDENTCQVCCKRTCPNQLNPGKCAECTESPQK 369
Db 241 LDNRSCQVCCKNKLFTSQCGANREFDENTCQVCCKRTCPNQLNPGKCAECTESPQK 300
Qy 370 LLKGKKEHHOTCSCYRRPCTNRQKACEPGFSYSEEVCRVPSYWKRPOMS 419
Db 301 LLKGKKEHHOTCSCYRRPCTNRQKACEPGFSYSEEVCRVPSYWKRPOMS 350

Search completed: September 13, 2003, 14:16:47
Job time : 32 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: September 13, 2003, 14:16:16 ; Search time 63 Seconds
(without alignments)
970.433 Million cell updates/sec

Title: US-09-534-376a-8
Perfect score: 2336
Sequence: 1 MHLGFFSVACSLAAALLP.....SYSEVRCVPSVTKRQPMQ 419

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 541936 seqs, 145912426 residues

Total number of hits satisfying chosen parameters: 541936

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

- Database : Published Applications AA:*
- 1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
 - 2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
 - 3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
 - 4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
 - 5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep.*
 - 6: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB.pep.*
 - 7: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep.*
 - 8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
 - 9: /cgn2_6/ptodata/2/pubpaa/US09A_PUBCOMB.pep.*
 - 10: /cgn2_6/ptodata/2/pubpaa/US09A_PUBCOMB.pep.*
 - 11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
 - 12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
 - 13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
 - 14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
 - 15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
 - 16: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
 - 17: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
 - 18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2336	100.0	419	10	US-09-795-006A-22
2	2336	100.0	419	10	US-09-852-209A-12
3	2336	100.0	419	11	US-09-375-248-4
4	2336	100.0	419	14	US-10-044-622-3
5	2336	100.0	419	15	US-10-131-600-12
6	2336	100.0	419	15	US-10-201-386-8
7	2336	100.0	419	15	US-10-262-538-24
8	2327	99.6	419	12	US-10-346-802-3
9	2326	99.6	419	11	US-09-935-726-2
10	2326	99.6	419	11	US-09-935-726-18
11	2326	99.6	419	14	US-10-127-551-2
12	2326	99.6	419	15	US-10-084-488-2
13	2326	99.5	419	15	US-10-084-488-18
14	2325	99.5	419	15	US-10-201-386-58
15	2048	87.7	415	15	US-10-201-386-11

16	1995	85.4	350	11	US-09-935-726-4	Sequence 4, Appli
17	1995	85.4	350	14	US-10-060-523-2	Sequence 2, Appli
18	1995	85.4	350	15	US-10-084-488-4	Sequence 4, Appli
19	1804.5	77.2	418	15	US-10-201-386-13	Sequence 13, Appli
20	775.5	33.2	160	15	US-10-201-386-59	Sequence 59, Appli
21	704.5	30.2	325	15	US-10-274-953-3	Sequence 3, Appli
22	704.5	30.2	325	15	US-10-161-694-3	Sequence 3, Appli
23	704.5	30.2	354	10	US-09-936-095-2	Sequence 2, Appli
24	704.5	30.2	354	10	US-09-219-345A-11	Sequence 11, Appli
25	704.5	30.2	354	10	US-09-795-006A-119	Sequence 119, App
26	704.5	30.2	354	11	US-09-375-248-6	Sequence 6, Appli
27	704.5	30.2	354	15	US-10-262-538-26	Sequence 26, Appli
28	704.5	30.2	354	15	US-10-274-953-5	Sequence 5, Appli
29	704.5	30.2	354	15	US-10-161-694-5	Sequence 5, Appli
30	703.5	30.1	358	10	US-09-852-209A-13	Sequence 13, Appli
31	703.5	30.1	358	12	US-09-847-524-2	Sequence 2, Appli
32	703.5	30.1	358	14	US-10-139-876-2	Sequence 2, Appli
33	703.5	30.1	358	15	US-10-131-600-13	Sequence 13, Appli
34	703.5	30.1	358	15	US-10-274-953-8	Sequence 8, Appli
35	703.5	30.1	358	15	US-10-161-694-8	Sequence 4, Appli
36	703.5	30.1	362	14	US-10-139-876-4	Sequence 4, Appli
37	691.5	29.6	354	12	US-10-174-930-1	Sequence 1, Appli
38	667.5	28.6	321	12	US-09-847-524-4	Sequence 4, Appli
39	667.5	28.6	321	15	US-10-274-953-9	Sequence 9, Appli
40	667.5	28.6	321	15	US-10-161-694-9	Sequence 9, Appli
41	603	25.8	280	14	US-10-044-622-1	Sequence 1, Appli
42	581.5	24.9	129	10	US-09-795-006A-49	Sequence 49, Appli
43	502	21.5	105	10	US-09-795-006A-157	Sequence 157, App
44	483	20.7	105	10	US-09-795-006A-155	Sequence 155, App
45	482	20.6	105	10	US-09-795-006A-159	Sequence 159, App

ALIGNMENTS

RESULT 1
US-09-795-006A-22
; Sequence 22, Application US/09795006A
; Patent No. US20020151680A1
; GENERAL INFORMATION:
; APPLICANT: Altaito et al
; TITLE OF INVENTION: MATERIALS AND METHODS INVOLVING HYBRID VASCULAR
; FILE REFERENCE: ENDOTHELIAL GROWTH FACTOR DNAs AND PROTEINS
; FILE REFERENCE: 28967/35977B
; CURRENT APPLICATION NUMBER: US/09/795,006A
; CURRENT FILING DATE: 2001-02-26
; PRIOR APPLICATION NUMBER: US 60/205,331
; PRIOR FILING DATE: 2000-05-18
; PRIOR APPLICATION NUMBER: US 60/185,205
; PRIOR FILING DATE: 2000-02-25
; NUMBER OF SEQ ID NOS: 175
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 22
; LENGTH: 419
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-795-006A-22

Query Match	100.0%	Score 2336;	DB 10;	Length 419;
Best Local Similarity	100.0%	Pred. No. 6.7e-197;		
Matches 419;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	1	MHLGFFSVACSLAAALLPGPREAPAAAAAFESGLDLSDAEPDAGEATAYASKOLEBQL	60	
Db	1	MHLGFFSVACSLAAALLPGPREAPAAAAAFESGLDLSDAEPDAGEATAYASKOLEBQL	60	
QY	61	RSVSVDELMVLYPEYWKMTKCOLRGKQWQHNRSQANLSRTEETIKFAAAHYNEILK	120	
Db	61	RSVSVDELMVLYPEYWKMTKCOLRGKQWQHNRSQANLSRTEETIKFAAAHYNEILK	120	
QY	121	SIDENWRKTCQMPREVCIDVCKEGVATNTFFKPCVSVYRCGCCNSEGLQCMNTSY	180	
Db	121	SIDENWRKTCQMPREVCIDVCKEGVATNTFFKPCVSVYRCGCCNSEGLQCMNTSY	180	

QY 181 LSKTLFEITVPLSQGPKPVTISFANHTSCRCMSKLDYIROVHSIIRRSIPATLPQCOAAN 240
|||||
DB 181 LSKTLFEITVPLSQGPKPVTISFANHTSCRCMSKLDYIROVHSIIRRSIPATLPQCOAAN 240
|||||
QY 241 KTCPTNMYNNHICRCLAQEDFMFSSDAGDDSTDGFHDICGPNKELDETCQCVCRAGLR 300
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DB 241 KTCPTNMYNNHICRCLAQEDFMFSSDAGDDSTDGFHDICGPNKELDETCQCVCRAGLR 300
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QY 301 PASCGPHKELDRNSQCCKNKLFFSQCGANREFDENTCQCVKRTCPRNOPLNPGKAC 360
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DB 301 PASCGPHKELDRNSQCCKNKLFFSQCGANREFDENTCQCVKRTCPRNOPLNPGKAC 360
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QY 361 ECTESPOKCLLKGKFFHQTCSYRRPCTNRQKACEPGFSYSEVCRVPSYWKRPQMS 419
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DB 361 ECTESPOKCLLKGKFFHQTCSYRRPCTNRQKACEPGFSYSEVCRVPSYWKRPQMS 419
|||||

RESULT 2

US-09-852-209A-12
; Sequence 12, Application US/09852209A
; Patent No. US20020164687A1
; GENERAL INFORMATION:
; APPLICANT: ERIKSSON, Ulf
; APPLICANT: AASE, Karin
; APPLICANT: LEE, Xuri
; APPLICANT: PONTEN, Annica
; APPLICANT: UUTELA, Marko
; APPLICANT: ALITALO, Kari
; APPLICANT: OESTMAN, Arne
; APPLICANT: HELDIN, Carl-Henrik
; APPLICANT: BETSHOLTZ, Christer
; TITLE OF INVENTION: PLATELET-DERIVED GROWTH FACTOR C, DNA CODING
; FILE REFERENCE: 09-410349-Eriksson et al-1064-44740
; CURRENT APPLICATION NUMBER: US/09/852,209A
; CURRENT FILING DATE: 2001-05-10
; PRIOR APPLICATION NUMBER: 09/410,349
; PRIOR FILING DATE: 1999-09-30
; PRIOR APPLICATION NUMBER: 60/110,749
; PRIOR FILING DATE: 1998-12-03
; PRIOR APPLICATION NUMBER: 60/113,002
; PRIOR FILING DATE: 1998-12-18
; PRIOR APPLICATION NUMBER: 60/135,426
; PRIOR FILING DATE: 1999-05-21
; PRIOR APPLICATION NUMBER: 60/144,022
; PRIOR FILING DATE: 1999-07-15
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
; LENGTH: 419
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-852-209A-12

Query Match 100.0%; Score 2336; DB 10; Length 419;
Best Local Similarity 100.0%; Pred. No. 6.7e-197;
Matches 419; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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DB 1 MHLGFFSVACSLIAAALLPGPREAPAAAAAFESGLDLSDAEPDAGEATAYASKDLREQL 60
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QY 61 RSVSSVDELMTVLYPEYWKMYKQLRKGGWQHNEQANLSRTEETIKFAAAHYNTEILK 120
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DB 61 RSVSSVDELMTVLYPEYWKMYKQLRKGGWQHNEQANLSRTEETIKFAAAHYNTEILK 120
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QY 121 SIDNEWRTQCMPEVCI DVGKEFGVATNTFFKPPCVSVYRCGCCNSGLQCMNTSTSY 180
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DB 121 SIDNEWRTQCMPEVCI DVGKEFGVATNTFFKPPCVSVYRCGCCNSGLQCMNTSTSY 180
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QY 181 LSKTLFEITVPLSQGPKPVTISFANHTSCRCMSKLDYIROVHSIIRRSIPATLPQCOAAN 240
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DB 181 LSKTLFEITVPLSQGPKPVTISFANHTSCRCMSKLDYIROVHSIIRRSIPATLPQCOAAN 240
QY 241 KTCPTNMYNNHICRCLAQEDFMFSSDAGDDSTDGFHDICGPNKELDETCQCVCRAGLR 300
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DB 241 KTCPTNMYNNHICRCLAQEDFMFSSDAGDDSTDGFHDICGPNKELDETCQCVCRAGLR 300
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QY 301 PASCGPHKELDRNSQCCKNKLFFSQCGANREFDENTCQCVKRTCPRNOPLNPGKAC 360
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DB 301 PASCGPHKELDRNSQCCKNKLFFSQCGANREFDENTCQCVKRTCPRNOPLNPGKAC 360
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QY 361 ECTESPOKCLLKGKFFHQTCSYRRPCTNRQKACEPGFSYSEVCRVPSYWKRPQMS 419
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DB 361 ECTESPOKCLLKGKFFHQTCSYRRPCTNRQKACEPGFSYSEVCRVPSYWKRPQMS 419
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RESULT 3

US-09-375-248-4
; Sequence 4, Application US/09375248
; Publication No. US20030026759A1
; GENERAL INFORMATION:
; APPLICANT: Petrelli, Robert E.
; APPLICANT: Alitalo, Kari
; APPLICANT: Finegold, David N.
; APPLICANT: Karkkainen, Marika
; TITLE OF INVENTION: SCREENING AND THERAPY FOR LYMPHATIC DISORDERS INVOLVING
; FILE REFERENCE: 28967/35255A
; CURRENT APPLICATION NUMBER: US/09/375,248
; CURRENT FILING DATE: 1999-08-16
; EARLIER APPLICATION NUMBER: PCT/US99/06133
; EARLIER FILING DATE: 1999-03-26
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 419
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-375-248-4

Query Match 100.0%; Score 2336; DB 11; Length 419;
Best Local Similarity 100.0%; Pred. No. 6.7e-197;
Matches 419; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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DB 1 MHLGFFSVACSLIAAALLPGPREAPAAAAAFESGLDLSDAEPDAGEATAYASKDLREQL 60
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QY 61 RSVSSVDELMTVLYPEYWKMYKQLRKGGWQHNEQANLSRTEETIKFAAAHYNTEILK 120
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DB 61 RSVSSVDELMTVLYPEYWKMYKQLRKGGWQHNEQANLSRTEETIKFAAAHYNTEILK 120
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QY 121 SIDNEWRTQCMPEVCI DVGKEFGVATNTFFKPPCVSVYRCGCCNSGLQCMNTSTSY 180
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DB 121 SIDNEWRTQCMPEVCI DVGKEFGVATNTFFKPPCVSVYRCGCCNSGLQCMNTSTSY 180
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DB 181 LSKTLFEITVPLSQGPKPVTISFANHTSCRCMSKLDYIROVHSIIRRSIPATLPQCOAAN 240
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QY 241 KTCPTNMYNNHICRCLAQEDFMFSSDAGDDSTDGFHDICGPNKELDETCQCVCRAGLR 300
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DB 301 PASCGPHKELDRNSQCCKNKLFFSQCGANREFDENTCQCVKRTCPRNOPLNPGKAC 360
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QY 361 ECTESPOKCLLKGKFFHQTCSYRRPCTNRQKACEPGFSYSEVCRVPSYWKRPQMS 419
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DB 361 ECTESPOKCLLKGKFFHQTCSYRRPCTNRQKACEPGFSYSEVCRVPSYWKRPQMS 419
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RESULT 4

US-10-044-622-3

; Sequence 3, Application US/10044622
; Publication No. US2002015538A1
; GENERAL INFORMATION:

; APPLICANT: Bandman, Olga
; Goli, Surya K.
; Murry, Lynn E.

; TITLE OF INVENTION: NOVEL ENDOTHELIAL GROWTH
; FACTOR

; NUMBER OF SEQUENCES: 3

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Incyte Pharmaceuticals, Inc.

; STREET: 3174 Porter Drive

; CITY: Palo Alto

; STATE: CA

; COUNTRY: USA

; ZIP: 94304

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: FastSeq for Windows Version 2.0

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/10/044,622

; FILING DATE: 09-Jan-2002

; CLASSIFICATION: <Unknown>

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/788,812

; FILING DATE: <Unknown>

; ATTORNEY/AGENT INFORMATION:

; NAME: Billings, Lucy J.

; REGISTRATION NUMBER: 36,749

; REFERENCE/DOCKET NUMBER: PF-0185 US

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 415-855-0555

; TELEFAX: 415-845-4166

; INFORMATION FOR SEQ ID NO: 3:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 419 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; IMMEDIATE SOURCE:

; LIBRARY: GenBank

; CLONE: 1150989

; SEQUENCE DESCRIPTION: SEQ ID NO: 3:

US-10-044-622-3

Query Match 100.0%; Score 2336; DB 14; Length 419;

Best Local Similarity 100.0%; Pred. No. 6.7e-197;

Matches 419; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MHLGFFSVACSLAAALLPGPREAPAAAAAFESGLDLSDAEPDAGATAYASKDLEQL 60

QY 61 RSVSSVDELMVLYPEYWKMTKCOLRKGQWQHNRQANLSRTBETIKFAAAHYNTEILK 120

DB 61 RSVSSVDELMVLYPEYWKMTKCOLRKGQWQHNRQANLSRTBETIKFAAAHYNTEILK 120

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DB 121 SIDNEWRKTCQMPREVCIDVGKEFGVATNTFFKPCVSVYRCGGCCNSEGLQCMNTSTSY 180

QY 181 LSKTLFEITVPLSQGPKPVTISFANHTSCRCMSKLDVYRQVHSIIRSLPATLPQQAAN 240

DB 181 LSKTLFEITVPLSQGPKPVTISFANHTSCRCMSKLDVYRQVHSIIRSLPATLPQQAAN 240

QY 241 KTCPTNYMNNHICRCLAQEDFMFSSDAGDDSTDFGHDICGPNKELDEETCCQVCRAGLR 300

DB 241 KTCPTNYMNNHICRCLAQEDFMFSSDAGDDSTDFGHDICGPNKELDEETCCQVCRAGLR 300

QY 301 PASCGPHKELDRNSCCQVCKNKLFPSCGAGNREFDENTCCQVCKRTCPRNQPLNPKKAC 360

DB 301 PASCGPHKELDRNSCCQVCKNKLFPSCGAGNREFDENTCCQVCKRTCPRNQPLNPKKAC 360

QY 361 ECTESPOKLLGKGFHHQTCYRRPCTNRKACEPGFYSTSEVCRVPSYWKRPQMS 419

DB 361 ECTESPOKLLGKGFHHQTCYRRPCTNRKACEPGFYSTSEVCRVPSYWKRPQMS 419

DB 361 ECTESPOKLLGKGFHHQTCYRRPCTNRKACEPGFYSTSEVCRVPSYWKRPQMS 419

DB 361 ECTESPOKLLGKGFHHQTCYRRPCTNRKACEPGFYSTSEVCRVPSYWKRPQMS 419

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DB 361 ECTESPOKLLGKGFHHQTCYRRPCTNRKACEPGFYSTSEVCRVPSYWKRPQMS 419

DB 361 ECTESPOKLLGKGFHHQTCYRRPCTNRKACEPGFYSTSEVCRVPSYWKRPQMS 419

DB 361 ECTESPOKLLGKGFHHQTCYRRPCTNRKACEPGFYSTSEVCRVPSYWKRPQMS 419

DB 361 ECTESPOKLLGKGFHHQTCYRRPCTNRKACEPGFYSTSEVCRVPSYWKRPQMS 419

DB 361 ECTESPOKLLGKGFHHQTCYRRPCTNRKACEPGFYSTSEVCRVPSYWKRPQMS 419

DB 361 ECTESPOKLLGKGFHHQTCYRRPCTNRKACEPGFYSTSEVCRVPSYWKRPQMS 419

DB 361 ECTESPOKLLGKGFHHQTCYRRPCTNRKACEPGFYSTSEVCRVPSYWKRPQMS 419

DB 361 ECTESPOKLLGKGFHHQTCYRRPCTNRKACEPGFYSTSEVCRVPSYWKRPQMS 419

DB 361 ECTESPOKLLGKGFHHQTCYRRPCTNRKACEPGFYSTSEVCRVPSYWKRPQMS 419

DB 361 ECTESPOKLLGKGFHHQTCYRRPCTNRKACEPGFYSTSEVCRVPSYWKRPQMS 419

DB 361 ECTESPOKLLGKGFHHQTCYRRPCTNRKACEPGFYSTSEVCRVPSYWKRPQMS 419

DB 361 ECTESPOKLLGKGFHHQTCYRRPCTNRKACEPGFYSTSEVCRVPSYWKRPQMS 419

DB 361 ECTESPOKLLGKGFHHQTCYRRPCTNRKACEPGFYSTSEVCRVPSYWKRPQMS 419

DB 361 ECTESPOKLLGKGFHHQTCYRRPCTNRKACEPGFYSTSEVCRVPSYWKRPQMS 419

DB 361 ECTESPOKLLGKGFHHQTCYRRPCTNRKACEPGFYSTSEVCRVPSYWKRPQMS 419

DB 361 ECTESPOKLLGKGFHHQTCYRRPCTNRKACEPGFYSTSEVCRVPSYWKRPQMS 419

DB 361 ECTESPOKLLGKGFHHQTCYRRPCTNRKACEPGFYSTSEVCRVPSYWKRPQMS 419

DB 361 ECTESPOKLLGKGFHHQTCYRRPCTNRKACEPGFYSTSEVCRVPSYWKRPQMS 419

DB 361 ECTESPOKLLGKGFHHQTCYRRPCTNRKACEPGFYSTSEVCRVPSYWKRPQMS 419

DB 361 ECTESPOKLLGKGFHHQTCYRRPCTNRKACEPGFYSTSEVCRVPSYWKRPQMS 419

DB 361 ECTESPOKLLGKGFHHQTCYRRPCTNRKACEPGFYSTSEVCRVPSYWKRPQMS 419

DB 361 ECTESPOKLLGKGFHHQTCYRRPCTNRKACEPGFYSTSEVCRVPSYWKRPQMS 419

DB 361 ECTESPOKLLGKGFHHQTCYRRPCTNRKACEPGFYSTSEVCRVPSYWKRPQMS 419

DB 361 ECTESPOKLLGKGFHHQTCYRRPCTNRKACEPGFYSTSEVCRVPSYWKRPQMS 419

DB 361 ECTESPOKLLGKGFHHQTCYRRPCTNRKACEPGFYSTSEVCRVPSYWKRPQMS 419

DB 361 ECTESPOKLLGKGFHHQTCYRRPCTNRKACEPGFYSTSEVCRVPSYWKRPQMS 419

DB 361 ECTESPOKLLGKGFHHQTCYRRPCTNRKACEPGFYSTSEVCRVPSYWKRPQMS 419

DB 361 ECTESPOKLLGKGFHHQTCYRRPCTNRKACEPGFYSTSEVCRVPSYWKRPQMS 419

DB 361 ECTESPOKLLGKGFHHQTCYRRPCTNRKACEPGFYSTSEVCRVPSYWKRPQMS 419

DB 361 ECTESPOKLLGKGFHHQTCYRRPCTNRKACEPGFYSTSEVCRVPSYWKRPQMS 419

DB 361 ECTESPOKLLGKGFHHQTCYRRPCTNRKACEPGFYSTSEVCRVPSYWKRPQMS 419

DB 361 ECTESPOKLLGKGFHHQTCYRRPCTNRKACEPGFYSTSEVCRVPSYWKRPQMS 419

DB 361 ECTESPOKLLGKGFHHQTCYRRPCTNRKACEPGFYSTSEVCRVPSYWKRPQMS 419

DB 361 ECTESPOKLLGKGFHHQTCYRRPCTNRKACEPGFYSTSEVCRVPSYWKRPQMS 419

DB 361 ECTESPOKLLGKGFHHQTCYRRPCTNRKACEPGFYSTSEVCRVPSYWKRPQMS 419

; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/003,491
; PRIOR FILING DATE: EARLIER FILING DATE: 1995-09-08
; NUMBER OF SEQ ID NOS: 12
; SEQ ID NO 3
; LENGTH: 419
; TYPE: PRT
; ORGANISM: Human
; FEATURE:
; NAME/KEY: Human
; LOCATION: 1-419
; OTHER INFORMATION: Sequence source: VRP
US-10-346-802-3

Query Match 99.6%; Score 2327; DB 12; Length 419;
Best Local Similarity 99.8%; Pred. No. 4, le-196;
Matches 418; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 1 MHLGFFSVACSLIAAALLPGPREAPAAAAAFESGLDLSDAEPDAGEATAYASKDLEBQL 60
Db 1 MHLGFFSVACSLIAAALLPGPREAPAAAAAFESGLDLSDAEPDAGEATAYASKDLEBQL 60
Qy 61 RSVSSVDELMVLYPEYWKMYKCOLRKGWQHNRQANLSRTEETIKFAAAHYNTLTK 120
Db 61 RSVSSVDELMVLYPEYWKMYKCOLRKGWQHNRQANLSRTEETIKFAAAHYNTLTK 120
Qy 121 SIDNEWKRTQCMPEVCIIDVGKEFGVATNTFFKPCVSVYRCGGCCNSGLOCMNTSTSY 180
Db 121 SIDNEWKRTQCMPEVCIIDVGKEFGVATNTFFKPCVSVYRCGGCCNSGLOCMNTSTSY 180
Qy 181 LSKTLFEITVPLSQGPKPVTISFANHTSCRCMSKLDVYRQVHSIIIRSLPATLPCCQAAN 240
Db 181 LSKTLFEITVPLSQGPKPVTISFANHTSCRCMSKLDVYRQVHSIIIRSLPATLPCCQAAN 240
Qy 241 KTCPTNYMNNHICRCLAQEDFMFSSDAGDDSTDFHICGPNKELDETCOCVCRAGLR 300
Db 241 KTCPTNYMNNHICRCLAQEDFMFSSDAGDDSTDFHICGPNKELDETCOCVCRAGLR 300
Qy 301 PASCGPHKELDRNSCCQCKNKLFPSCGAGNREFDENTCOCVKRTPCPRNQLPNGKAC 360
Db 301 PASCGPHKELDRNSCCQCKNKLFPSCGAGNREFDENTCOCVKRTPCPRNQLPNGKAC 360
Qy 361 ECTESPOKLLGKGFHHQTCSCYRRPCTNRQKACEPGFSYSEVGCRCVPSTWKRPMQS 419
Db 361 ECTESPOKLLGKGFHHQTCSCYRRPCTNRQKACEPGFSYSEVGCRCVPSTWKRPMQS 419
RESULT 9
US-09-935-726-2
; Sequence 2, Application US/09935726
; Publication No. US20030008357A1
; GENERAL INFORMATION:
; APPLICANT: Hu, Jin-Shan
; APPLICANT: Craig, Rosen
; APPLICANT: Cao, Liang
; TITLE OF INVENTION: Vascular Endothelial Growth Factor-2
; FILE REFERENCE: PF112P3D1C1
; CURRENT APPLICATION NUMBER: US/09/935,726
; CURRENT FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 09/438,538
; PRIOR FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 2
; LENGTH: 419
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-935-726-2

Query Match 99.6%; Score 2327; DB 12; Length 419;
Best Local Similarity 99.8%; Pred. No. 4, le-196;
Matches 417; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
Qy 1 MHLGFFSVACSLIAAALLPGPREAPAAAAAFESGLDLSDAEPDAGEATAYASKDLEBQL 60
Db 1 MHLGFFSVACSLIAAALLPGPREAPAAAAAFESGLDLSDAEPDAGEATAYASKDLEBQL 60
Qy 61 RSVSSVDELMVLYPEYWKMYKCOLRKGWQHNRQANLSRTEETIKFAAAHYNTLTK 120
Db 61 RSVSSVDELMVLYPEYWKMYKCOLRKGWQHNRQANLSRTEETIKFAAAHYNTLTK 120
Qy 121 SIDNEWKRTQCMPEVCIIDVGKEFGVATNTFFKPCVSVYRCGGCCNSGLOCMNTSTSY 180
Db 121 SIDNEWKRTQCMPEVCIIDVGKEFGVATNTFFKPCVSVYRCGGCCNSGLOCMNTSTSY 180
Qy 181 LSKTLFEITVPLSQGPKPVTISFANHTSCRCMSKLDVYRQVHSIIIRSLPATLPCCQAAN 240
Db 181 LSKTLFEITVPLSQGPKPVTISFANHTSCRCMSKLDVYRQVHSIIIRSLPATLPCCQAAN 240
Qy 241 KTCPTNYMNNHICRCLAQEDFMFSSDAGDDSTDFHICGPNKELDETCOCVCRAGLR 300
Db 241 KTCPTNYMNNHICRCLAQEDFMFSSDAGDDSTDFHICGPNKELDETCOCVCRAGLR 300
RESULT 9
US-09-935-726-2
; Sequence 2, Application US/09935726
; Publication No. US20030008357A1
; GENERAL INFORMATION:
; APPLICANT: Hu, Jin-Shan
; APPLICANT: Craig, Rosen
; APPLICANT: Cao, Liang
; TITLE OF INVENTION: Vascular Endothelial Growth Factor-2
; FILE REFERENCE: PF112P3D1C1
; CURRENT APPLICATION NUMBER: US/09/935,726
; CURRENT FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 09/438,538
; PRIOR FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 2
; LENGTH: 419
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-935-726-2

Db 1 MHLGFFSVACSLIAAALLPGPREAPAAAAAFESGLDLSDAEPDAGEATAYASKDLEBQL 60
Qy 61 RSVSSVDELMVLYPEYWKMYKCOLRKGWQHNRQANLSRTEETIKFAAAHYNTLTK 120
Db 61 RSVSSVDELMVLYPEYWKMYKCOLRKGWQHNRQANLSRTEETIKFAAAHYNTLTK 120
Qy 121 SIDNEWKRTQCMPEVCIIDVGKEFGVATNTFFKPCVSVYRCGGCCNSGLOCMNTSTSY 180
Db 121 SIDNEWKRTQCMPEVCIIDVGKEFGVATNTFFKPCVSVYRCGGCCNSGLOCMNTSTSY 180
Qy 181 LSKTLFEITVPLSQGPKPVTISFANHTSCRCMSKLDVYRQVHSIIIRSLPATLPCCQAAN 240
Db 181 LSKTLFEITVPLSQGPKPVTISFANHTSCRCMSKLDVYRQVHSIIIRSLPATLPCCQAAN 240
Qy 241 KTCPTNYMNNHICRCLAQEDFMFSSDAGDDSTDFHICGPNKELDETCOCVCRAGLR 300
Db 241 KTCPTNYMNNHICRCLAQEDFMFSSDAGDDSTDFHICGPNKELDETCOCVCRAGLR 300
Qy 301 PASCGPHKELDRNSCCQCKNKLFPSCGAGNREFDENTCOCVKRTPCPRNQLPNGKAC 360
Db 301 PASCGPHKELDRNSCCQCKNKLFPSCGAGNREFDENTCOCVKRTPCPRNQLPNGKAC 360
Qy 361 ECTESPOKLLGKGFHHQTCSCYRRPCTNRQKACEPGFSYSEVGCRCVPSTWKRPMQS 419
Db 361 ECTESPOKLLGKGFHHQTCSCYRRPCTNRQKACEPGFSYSEVGCRCVPSTWKRPMQS 419
RESULT 10
US-09-935-726-18
; Sequence 18, Application US/09935726
; Publication No. US20030008357A1
; GENERAL INFORMATION:
; APPLICANT: Hu, Jin-Shan
; APPLICANT: Craig, Rosen
; APPLICANT: Cao, Liang
; TITLE OF INVENTION: Vascular Endothelial Growth Factor-2
; FILE REFERENCE: PF112P3D1C1
; CURRENT APPLICATION NUMBER: US/09/935,726
; CURRENT FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 09/438,538
; PRIOR FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 18
; LENGTH: 419
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-935-726-18
Query Match 99.6%; Score 2326; DB 11; Length 419;
Best Local Similarity 99.5%; Pred. No. 5e-196;
Matches 417; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
Qy 1 MHLGFFSVACSLIAAALLPGPREAPAAAAAFESGLDLSDAEPDAGEATAYASKDLEBQL 60
Db 1 MHLGFFSVACSLIAAALLPGPREAPAAAAAFESGLDLSDAEPDAGEATAYASKDLEBQL 60
Qy 61 RSVSSVDELMVLYPEYWKMYKCOLRKGWQHNRQANLSRTEETIKFAAAHYNTLTK 120
Db 61 RSVSSVDELMVLYPEYWKMYKCOLRKGWQHNRQANLSRTEETIKFAAAHYNTLTK 120
Qy 121 SIDNEWKRTQCMPEVCIIDVGKEFGVATNTFFKPCVSVYRCGGCCNSGLOCMNTSTSY 180
Db 121 SIDNEWKRTQCMPEVCIIDVGKEFGVATNTFFKPCVSVYRCGGCCNSGLOCMNTSTSY 180
Qy 181 LSKTLFEITVPLSQGPKPVTISFANHTSCRCMSKLDVYRQVHSIIIRSLPATLPCCQAAN 240
Db 181 LSKTLFEITVPLSQGPKPVTISFANHTSCRCMSKLDVYRQVHSIIIRSLPATLPCCQAAN 240
Qy 241 KTCPTNYMNNHICRCLAQEDFMFSSDAGDDSTDFHICGPNKELDETCOCVCRAGLR 300
Db 241 KTCPTNYMNNHICRCLAQEDFMFSSDAGDDSTDFHICGPNKELDETCOCVCRAGLR 300

QY 301 PASGPHKELDRNSCQCCKNKLPPSQCAGNREFDENTCQCCKRTCPNQPINPGKAC 360
Db 301 PASGPHKELDRNSCQCCKNKLPPSQCAGNREFDENTCQCCKRTCPNQPINPGKAC 360
QY 361 ECTESPQCKLLGKKFHHQTCSCYRRPCTNRQACPGFSYSEEVCRVPSYWRPQMS 419
Db 361 ECTESPQCKLLGKKFHHQTCSCYRRPCTNRQACPGFSYSEEVCRVPSYWRPQMS 419

RESULT 11

US-10-127-551-2
; Sequence 2, Application US/10127551
; Publication No. US20020120123A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Vascular Endothelial Growth Factor 2
; FILE REFERENCE: PFI12P1
; CURRENT APPLICATION NUMBER: US/10/127,551
; CURRENT FILING DATE: 2002-04-23
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/465,968
; PRIOR FILING DATE: EARLIER FILING DATE: 1995-05-05
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/207,550
; PRIOR FILING DATE: EARLIER FILING DATE: 1994-03-08
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-127-551-2

Query Match 99.6%; Score 2326; DB 14; Length 419;
Best Local Similarity 99.5%; Pred. No. 5e-196;
Matches 417; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MHLGFFSVACSLIAALLPGPREAPAAAFAESGLDLSDAEPDAGEATAYASKDLEOL 60
Db 1 MHLGFFSVACSLIAALLPGPREAPAAAFAESGLDLSDAEPDAGEATAYASKDLEOL 60
QY 61 RSVSSVDELMTVLYPEYWKMKCOLRKGQWQHNRQANLSRTEETIKFAAAHYNTILK 120
Db 61 RSVSSVDELMTVLYPEYWKMKCOLRKGQWQHNRQANLSRTEETIKFAAAHYNTILK 120
QY 121 SIDNEWKTKQCPREVCIDVGKEGVTATNTFFKPPCVSVYRCGCCNSEGLQCMNTSTSY 180
Db 121 SIDNEWKTKQCPREVCIDVGKEGVTATNTFFKPPCVSVYRCGCCNSEGLQCMNTSTSY 180
QY 181 LSKTLFEITVPLSQGPKPVTISFANHSCRCMSKLDVYRQVHSIIRSLPATLPQCAAN 240
Db 181 LSKTLFEITVPLSQGPKPVTISFANHSCRCMSKLDVYRQVHSIIRSLPATLPQCAAN 240
QY 241 KTCPTNYMNNHICRLAQEDFMFSSDAGDDSTDGFDHICGPNKELDEETCQCVCRAGLR 300
Db 241 KTCPTNYMNNHICRLAQEDFMFSSDAGDDSTDGFDHICGPNKELDEETCQCVCRAGLR 300
QY 301 PASGPHKELDRNSCQCCKNKLPPSQCAGNREFDENTCQCCKRTCPNQPINPGKAC 360
Db 301 PASGPHKELDRNSCQCCKNKLPPSQCAGNREFDENTCQCCKRTCPNQPINPGKAC 360
QY 361 ECTESPQCKLLGKKFHHQTCSCYRRPCTNRQACPGFSYSEEVCRVPSYWRPQMS 419
Db 361 ECTESPQCKLLGKKFHHQTCSCYRRPCTNRQACPGFSYSEEVCRVPSYWRPQMS 419

RESULT 12

US-10-084-488-2
; Sequence 2, Application US/10084488
; Publication No. US20030028007A1
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR 2
; NUMBER OF SEQUENCES: 35

; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HUMAN GENOME SCIENCES, INC.
; STREET: 9410 KEY WEST AVENUE
; CITY: ROCKVILLE
; STATE: MD
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/084,488
; FILING DATE: 28-Feb-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/623,725
; FILING DATE: 07-Sep-2000
; APPLICATION NUMBER: US 09/042,105
; FILING DATE: 13-MAR-1998
; APPLICATION NUMBER: US 09/107,997
; FILING DATE: 30-JUN-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: MICHELE N. WALES
; REGISTRATION NUMBER: 43,975
; REFERENCE/DOCKET NUMBER: PFI12PCT3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301)309-8504
; TELEFAX: (301)309-8439
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 419 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-10-084-488-2

Query Match 99.6%; Score 2326; DB 15; Length 419;
Best Local Similarity 99.5%; Pred. No. 5e-196;
Matches 417; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MHLGFFSVACSLIAALLPGPREAPAAAFAESGLDLSDAEPDAGEATAYASKDLEOL 60
Db 1 MHLGFFSVACSLIAALLPGPREAPAAAFAESGLDLSDAEPDAGEATAYASKDLEOL 60
QY 61 RSVSSVDELMTVLYPEYWKMKCOLRKGQWQHNRQANLSRTEETIKFAAAHYNTILK 120
Db 61 RSVSSVDELMTVLYPEYWKMKCOLRKGQWQHNRQANLSRTEETIKFAAAHYNTILK 120
QY 121 SIDNEWKTKQCPREVCIDVGKEGVTATNTFFKPPCVSVYRCGCCNSEGLQCMNTSTSY 180
Db 121 SIDNEWKTKQCPREVCIDVGKEGVTATNTFFKPPCVSVYRCGCCNSEGLQCMNTSTSY 180
QY 181 LSKTLFEITVPLSQGPKPVTISFANHSCRCMSKLDVYRQVHSIIRSLPATLPQCAAN 240
Db 181 LSKTLFEITVPLSQGPKPVTISFANHSCRCMSKLDVYRQVHSIIRSLPATLPQCAAN 240
QY 241 KTCPTNYMNNHICRLAQEDFMFSSDAGDDSTDGFDHICGPNKELDEETCQCVCRAGLR 300
Db 241 KTCPTNYMNNHICRLAQEDFMFSSDAGDDSTDGFDHICGPNKELDEETCQCVCRAGLR 300
QY 301 PASGPHKELDRNSCQCCKNKLPPSQCAGNREFDENTCQCCKRTCPNQPINPGKAC 360
Db 301 PASGPHKELDRNSCQCCKNKLPPSQCAGNREFDENTCQCCKRTCPNQPINPGKAC 360
QY 361 ECTESPQCKLLGKKFHHQTCSCYRRPCTNRQACPGFSYSEEVCRVPSYWRPQMS 419
Db 361 ECTESPQCKLLGKKFHHQTCSCYRRPCTNRQACPGFSYSEEVCRVPSYWRPQMS 419

RESULT 13

US-10-084-488-18
; Sequence 18, Application US/10084488
; Publication No. US20030028007A1
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR 2
; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HUMAN GENOME SCIENCES, INC.
; STREET: 9410 KEY WEST AVENUE
; CITY: ROCKVILLE
; STATE: MD
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/084,488
; FILING DATE: 28-Feb-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/623,725
; FILING DATE: 07-Sep-2000
; APPLICATION NUMBER: US 09/042,105
; FILING DATE: 13-MAR-1998
; APPLICATION NUMBER: US 09/107,997
; FILING DATE: 30-JUN-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: MICHELE M. WALES
; REGISTRATION NUMBER: 43,975
; REFERENCE/DOCKET NUMBER: PF112PCT3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301)309-8504
; TELEFAX: (301)309-8439
; INFORMATION FOR SEQ ID NO: 18:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 419 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 18:
US-10-084-488-18
Query Match 99.6%; Score 2326; DB 15; Length 419;
Best Local Similarity 99.5%; Pred. No. 5e-196;
Matches 417; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 1 MHLGFFSVACSLAAALLPGPREAPAAAAAFESGLDLSDAEPDAGEATAYASKDLBQL 60
DB 1 MSLGFFSVACSLAAALLPGPREAPAAAAAFESGLDLSDAEPDAGEATAYASKDLBQL 60
QY 61 RSVSSVDELMVLPYPEYWKMYKCOLRKGGWQHNRQANLSRTEETIKFAAAHYNTLTK 120
DB 61 RSVSSVDELMVLPYPEYWKMYKCOLRKGGWQHNRQANLSRTEETIKFAAAHYNTLTK 120
QY 121 SIDNWRKATQCMPEVDCIDVGEFGVATNTFFKPPCVSVYRCGCCNSGLQCMNTSTSY 180
DB 121 SIDNWRKATQCMPEVDCIDVGEFGVATNTFFKPPCVSVYRCGCCNSGLQCMNTSTSY 180
QY 181 LSKTLFEITVPLSGPKPVTISFANHTSCRCMSKLDYVRQVHSIIRRSPLATLPQCAAN 240
DB 181 LSKTLFEITVPLSGPKPVTISFANHTSCRCMSKLDYVRQVHSIIRRSPLATLPQCAAN 240
QY 241 KTCPTNMYNNHICRCLAQEDFMFSSDAGDDSTGDFHICGPNKELDEETCCVCRAGLR 300
DB 241 KTCPTNMYNNHICRCLAQEDFMFSSDAGDDSTGDFHICGPNKELDEETCCVCRAGLR 300
QY 301 PASCGPHKELDRNSCCQCKNKLFPSCGAGNREFDENTCCQCKRTPCRNPQINPKKAC 360
|||||

Db 301 PASCGPHKELDRNSCCQCKNKLFPSCGAGNREFDENTCCQCKRTPCRNPQINPKKAC 360
QY 361 ECTESPQKCLLKGGKHHOTSCYRRPCTNRQKACEPGFSYSEVCRCPVPSTWKPQMS 419
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Db 361 ECTESPQKCLLKGGKHHOTSCYRRPCTNRQKACEPGFSYSEVCRCPVPSTWKPQMS 419
RESULT 14
US-10-201-386-58
; Sequence 58, Application US/10201386
; Publication No. US20030091567A1
; GENERAL INFORMATION:
; APPLICANT: Alitalo, Kari
; APPLICANT: Joukov, Vladimir
; TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR C (VEGF-C) PROTEIN
; FILE REFERENCE: 28967/34140A
; CURRENT APPLICATION NUMBER: US/10/201,386
; CURRENT FILING DATE: 2002-07-23
; PRIOR APPLICATION NUMBER: US/09/534,376
; PRIOR FILING DATE: 2000-03-24
; PRIOR APPLICATION NUMBER: 09/355,700
; PRIOR FILING DATE: 1999-11-05
; PRIOR APPLICATION NUMBER: PCT/US98/01973
; PRIOR FILING DATE: 1998-02-02
; PRIOR APPLICATION NUMBER: 08/795,430
; PRIOR FILING DATE: 1997-02-05
; PRIOR APPLICATION NUMBER: PCT/FI96/00427
; PRIOR FILING DATE: 1996-08-01
; PRIOR APPLICATION NUMBER: 08/671,573
; PRIOR FILING DATE: 1996-06-28
; PRIOR APPLICATION NUMBER: 08/601,132
; PRIOR FILING DATE: 1996-02-14
; PRIOR APPLICATION NUMBER: 08/585,895
; PRIOR FILING DATE: 1996-01-12
; PRIOR APPLICATION NUMBER: 08/510,133
; PRIOR FILING DATE: 1995-08-01
; PRIOR APPLICATION NUMBER: 08/340,011
; PRIOR FILING DATE: 1994-11-14
; NUMBER OF SEQ ID NOS: 59
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 58
; LENGTH: 419
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: VEGF-C delta Cys156 mutant
; OTHER INFORMATION: At position 156, "Xaa" can be anything other than cysteine or
; OTHER INFORMATION: nothing
US-10-201-386-58
Query Match 99.5%; Score 2325; DB 15; Length 419;
Best Local Similarity 99.8%; Pred. No. 6.2e-196;
Matches 418; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 MHLGFFSVACSLAAALLPGPREAPAAAAAFESGLDLSDAEPDAGEATAYASKDLBQL 60
DB 1 MHLGFFSVACSLAAALLPGPREAPAAAAAFESGLDLSDAEPDAGEATAYASKDLBQL 60
QY 61 RSVSSVDELMVLPYPEYWKMYKCOLRKGGWQHNRQANLSRTEETIKFAAAHYNTLTK 120
DB 61 RSVSSVDELMVLPYPEYWKMYKCOLRKGGWQHNRQANLSRTEETIKFAAAHYNTLTK 120
QY 121 SIDNWRKATQCMPEVDCIDVGEFGVATNTFFKPPCVSVYRCGCCNSGLQCMNTSTSY 180
DB 121 SIDNWRKATQCMPEVDCIDVGEFGVATNTFFKPPCVSVYRCGCCNSGLQCMNTSTSY 180
QY 181 LSKTLFEITVPLSGPKPVTISFANHTSCRCMSKLDYVRQVHSIIRRSPLATLPQCAAN 240
DB 181 LSKTLFEITVPLSGPKPVTISFANHTSCRCMSKLDYVRQVHSIIRRSPLATLPQCAAN 240
QY 241 KTCPTNMYNNHICRCLAQEDFMFSSDAGDDSTGDFHICGPNKELDEETCCVCRAGLR 300
|||||

Db 241 KTCPTNYMNNHICRLAQEDMFSSDAGDDSTDFGHDICGPNKELDEETCCQCVCRAGLR 300
QY 301 PASCGPHKELDRNSCQCCKNKLFPSCCGANREFEDNTCCQCVKRTCPRNQPLNPGKAC 360
Db 301 PASCGPHKELDRNSCQCCKNKLFPSCCGANREFEDNTCCQCVKRTCPRNQPLNPGKAC 360
QY 361 ECTESPQKLLGKGFHHOTCSYRRPCTNRKACPEPGFSYSEVRCVPSYWKRPOMS 419
Db 361 ECTESPQKLLGKGFHHOTCSYRRPCTNRKACPEPGFSYSEVRCVPSYWKRPOMS 419

RESULT 15

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; Sequence 11, Application US/10201386
; Publication No. US20030091567A1
; GENERAL INFORMATION:
; APPLICANT: Alitalo, Karl
; APPLICANT: Joukov, Vladimir
; TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR C (VEGF-C) PROTEIN
; FILE REFERENCE: 28967/34140A
; CURRENT APPLICATION NUMBER: US/10/201,386
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; PRIOR APPLICATION NUMBER: 08/795,430
; PRIOR FILING DATE: 1997-02-05
; PRIOR APPLICATION NUMBER: PCT/FT96/00427
; PRIOR FILING DATE: 1996-08-01
; PRIOR APPLICATION NUMBER: 08/671,573
; PRIOR FILING DATE: 1996-06-28
; PRIOR APPLICATION NUMBER: 08/601,132
; PRIOR FILING DATE: 1996-02-14
; PRIOR APPLICATION NUMBER: 08/585,895
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; PRIOR APPLICATION NUMBER: 08/510,133
; PRIOR FILING DATE: 1995-08-01
; PRIOR APPLICATION NUMBER: 08/340,011
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; NUMBER OF SEQ ID NOS: 59
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 415
; TYPE: PRT
; ORGANISM: Murine
US-10-201-386-11

Query Match 87.7%; Score 2048; DB 15; Length 415;
Best Local Similarity 85.4%; Pred. No. 1.3e-171;
Matches 358; Conservative 28; Mismatches 29; Indels 4; Gaps 1;
QY 1 MHLIGFTSVACSLIAALLPGPRAPAAAFAFESGLDLSADPPDAGATAYAKDLEBOL 60
Db 1 MHLICFSLACSLIAALLPSREAPATVAFAFESGLFSEAPDGGEGYKAFEGKLEBOL 60
QY 61 RSVSSVDELMVLYPEYWKMKCOLRKGGWQHNQANLSRTEIKFAAAHYNTEILK 120
Db 61 RSVSSVDELMVLYPDYWKMKCOLRKGGWQ---QPTLNWTGDSVKFAAAHYNTEILK 116
QY 121 SIDNEWKKTQCMPEVDCIDVGEFVATNTFFKPPCVSVYRCGGCCNSEGLQCMNTSTY 180
Db 117 SIDNEWKKTQCMPEVDCIDVGEFVATNTFFKPPCVSVYRCGGCCNSEGLQCMNTSTGY 176
QY 181 LSKTFLPEITVPLSQGPKPVTISFANHSCRCMSKLDVYQVHSIIRSLPATLPQCAAN 240
Db 177 LSKTFLPEITVPLSQGPKPVTISFANHSCRCMSKLDVYQVHSIIRSLPATLPQCAAN 236
QY 241 KTCPTNYMNNHICRLAQEDMFSSDAGDDSTDFGHDICGPNKELDEETCCQCVCRAGLR 300

Db 237 KTCPTNYMNNHICRLAQQDFIFYSNVEDDSTNGFHDVCGPNKELDEETCCQCVCKGLR 296
QY 301 PASCGPHKELDRNSCQCCKNKLFPSCCGANREFEDNTCCQCVKRTCPRNQPLNPGKAC 360
Db 297 PSSCGPHKELDRNSCQCCKNKLFPNSCGANREFEDNTCCQCVKRTCPRNQPLNPGKAC 356
QY 361 ECTESPQKLLGKGFHHOTCSYRRPCTNRKACPEPGFSYSEVRCVPSYWKRPOMS 419
Db 357 ECTENTQKCFLLGKGFHHOTCSYRRPCTNRKACPEPGFSYSEVRCVPSYWKRPHLN 415

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